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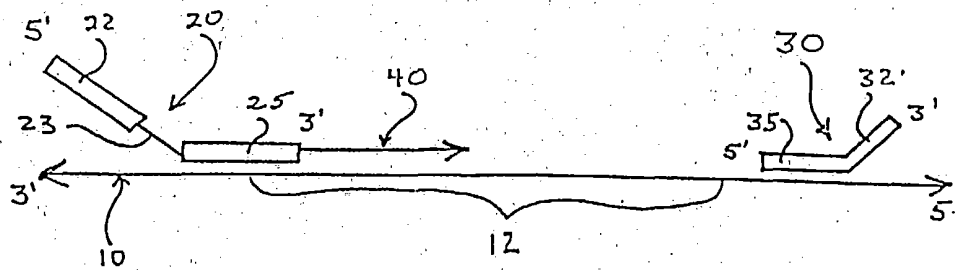


Fig. 1

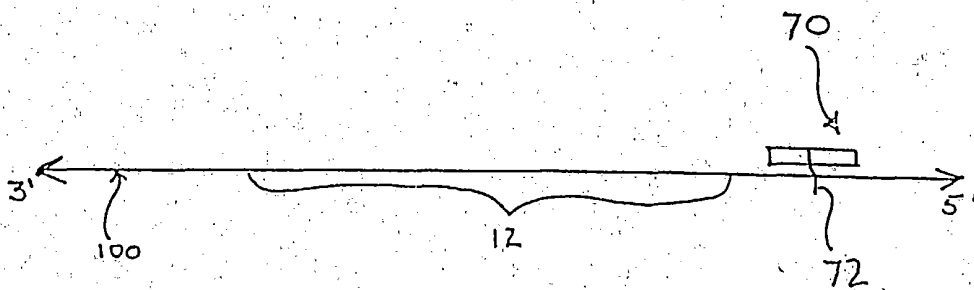


Fig. 2A

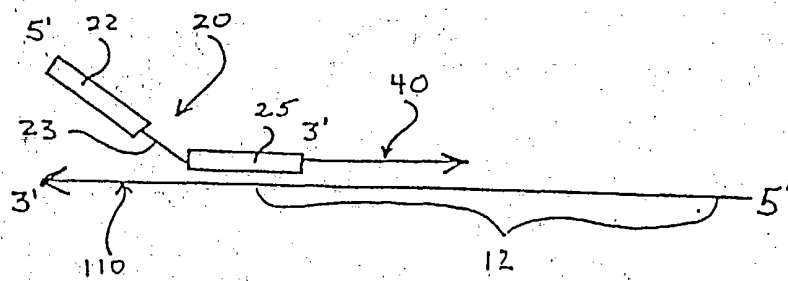


Fig. 2B

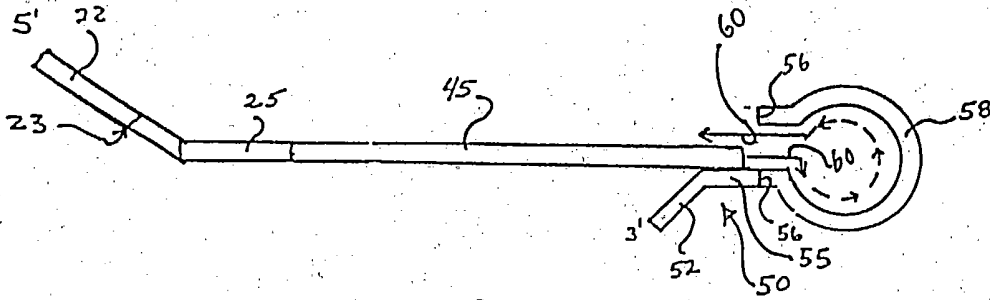


Fig. 3

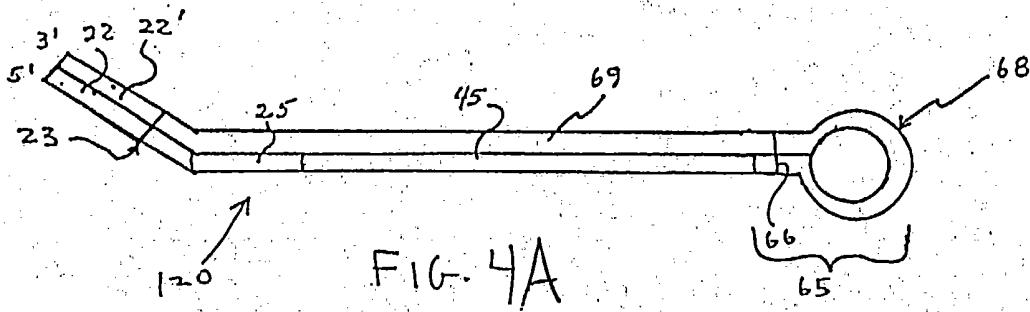


FIG. 4A

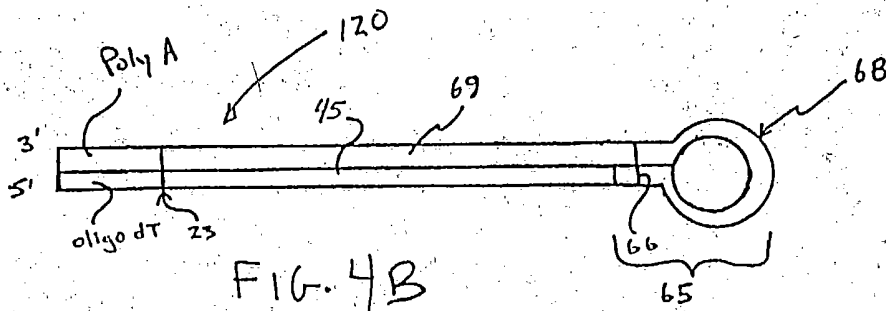


FIG. 4B

clones	SEQ ID NO.	FR1	CDR1	FR2
A7, B1, F8, G2	209	ESDGA VVQPGGSLRLSCAASGF	IFDDFAMH	WLRQVPKGGLQWVGL
C2, E6	210	QPGGSLRLSCAASGF	TLSSSAMS	WVRQAPGKGLFVAV
A4	211	QPGGSLRLSCAASGF	TLSSSAMS	WVRQAPGKGLFVAV
F6	212	AWYSGSPCLSCAASGF	TLSSSAMS	WVRQAPGKGLFVAV
E9, G7	213	ESDPGLVKPSETPSLTCTVSGG	SISSTMVFWG	WIRQPPGKGLEWIAS
F3, G4	214	PGLVKPSETPSLTCTVSGG	SISNIMVFWG	WIRQPPGKGLEWIAS
A12, B5, B8, B9	215	ESDPGLVQPSQTLSTCTVSGG	SLRSDYYWS	WIRQSPGKGLEWIAI
E8	216	PVQPLEF	TFTDHWMH	WVRQAPGKGLVWLAR
F7	217	ESEGGLVQPGGSLRLSCAASGF	TFSSYAMT	WVRQAPGKGLEWVST
E11	218	LAGVEVVQPGGSLRLSCAASGF	TFDDYAMH	WLRQIPGKGLQWVSL

Figure 5A

clones	CDR2	FR3
A7, B1, F8, G2	MSWDGVSAYYADSVKG	RFTISRDNKKNALYLQMSLIGVEDTALYYCAK
C2, E6	SSGNGFSTYYGDSVKG	RFTISRDNCKMNVYLQMSLRAEDTAKYHCAK
A4	SSGNGFSTYYGDSVKG	RFTISRDNCKMNVYLQMSLRAEDTAKYHCAK
F6	SSGNGFSTYYGDSVKG	RFTISRDNCKMNVYLQMSLRAEDTAKYHCAK
E9, G7	IYYSGTT-YYNPSLRS	RVTMSVDTSKNQLSLKMSVTAADTAVYYCAR
F3, G4	IYYSGTT-YYNPSLRS	RVTMSVDTSKNQLSLKMSVTAADTAVYYCAR
A12, B5, B8, B9	ISYTGTT-YYNPSLKS	RVTISVDTSRNQFSLRLSVTAADSAVYFCAS
E8	INRDGSDTTYADSVTG	RFTISRDNKGKNTVSLQMSLSVDDTAVYYCAR
F7	MTGSGGVTTYADVLKG	RFTISRDNCKNTLYLQMSLRAEDTAVYYCAK
E11	LSWDGVSAYYADSVKG	RFTISRDNKKNSLYLQMSLRAEDVALYYCAK

Figure 5B

clones	CDR3	FR4
A7, B1, F8, G2	DMGGGLRFPHF	WGQGTPTVTSA
C2, E6	VRYGPRSHFFFD	WGQGTTLVTSS
A4	VRYGPRSHFFFD	WGPGNPGHRL
F6	VRYGPRSHFFFD	WGQGTTLVTSS
E9, G7	PTIYYFDGRTSYYPGEAAFDI	WGQGTTV
F3, G4	PTIYYFDGRTSYYPGEAAFDI	WGQGTTVTV
A12, B5, B8, B9	TTAVTTTFDY	WGRGTLVTVS
E8	GGHHTVLSPLSNWFDP	WGQGTTLVTVS
F7	GYGLFDY	WGQGTTLVTVS
E11	DMGGAQRLPDH	WGQGTTLVTSS

Figure 5C

clones	SEQ ID NO.	FR1	CDR1	FR2
4D, 10C, 4G	219	GGGLVQPGASVKVCKASGY	TFSDYFMH	CVRQAPGQGLEWMGL
8A	220	RCPAKLIDT	PFSVYFMH	WVRQAPGQGLEWMGL
3G	221	RCPAKLIDT	PSGDYFMH	WVRQAPGQGLEWMGL
1A	222	SGGLVQPGAKVLRISCVASGF	TFSSSAMS	WVRQAPGKGLEWVSF
7H	223	LGS	PYSSSAMS	WVRQAPGKGLEWVSF
6F	224	VESGGVWQPGAKVLRISCAASGF	SFEDYAMH	WVRQPPGKGLEWVAL
4F	225	AASGF	IFDDFAMH	WFQAVPGKGLQWVGL
5A	226	FWLGGPWRLSCAVSGY	TLSSSAMI	WVRQPPGKGLEFVSF
1D	227	GGGLVQPGASLRISCVASGF	TLSSSAMS	CVRQAPGKGLEWVSF
7E	228	WGRRGPWGVPGSPVQPLGY	TFDDYAMH	WLRQIPGKGLQWVSL
9E	229	WTGGGVWQPGGSLRVSVAAAGY	TFDDYAMH	WLRQIPGKGLQWVSL
12B	230	AESGGGVWQPGGSLRLSCAASGF	TFSRYTIS	WVRQAPGKGLEWVSF

Figure 6A

clones	CDR2	FR3
4D, 10C, 4G	VNPTNGYTAYAPKFQG	RVTMTQRQFTSTVYMELSSLRSEDTAIFYCAR
8A	VNPTNGYTAYAPKFQG	RVTMTQRQFTSTVYMELSSLRSEDTAIFYCAR
3G	VNPTNGYTAYAPKFQG	RVTMTQRQFTSTVYMELSSLRSEDTAIFYCAR
1A	ISGNGFSTYYADSVK	RFTISRDNKNTLYLQMNLSLRAEDTAEYYCTK
7H	IS?NGLSAYYADSVKG	RFTISRDNNS?NTVYLQMNLSLRSEDTAEYYCVK
6F	ISWDVISAYYADSVKG	RFTISRDNKNSLYLQMDSLRPEDSGLYYCGR
4F	MSWDGVSAYYADSVKG	RFTISRDNKKNALYLQMNLSLGVEDTALYFCAK
5A	ISGNGLSAYYADSVKG	RFTISRDNKNTVYLQMNLSLRAEDTAEYYCVK
1D	SSGNGFSAYYADSVKG	RFTISRDNKNTLYLQMNLSLVAEDTAEYYCTK
7E	LSWDGVSAYYADSVKG	RFTISRDNKNSLYLQMNLSLVAEDTALYFCAK
9E	LSWDGVSAYYADSVKG	RFTISRDN?KNSLYLQMNLSLVAEDTALYFCAK
12B	ISTDGSTIYYTDSVKG	RFTISRDNKNSLSLQMNISLRDEDTAIFYCAR

Figure 6B

clones	CDR3	FR4
4D, 10C, 4G	VKSSDSIDAFDI	WGQGTMTVTSS
8A	VKSSDSIDAFDI	WGQGTMTVTSS
3G	VKSSDSIDAFDI	WGQGTMTVTSS
1A	VKYGSGSHFWFDP	WGQGTMTVTSS
7H	VYGSRSHF	
6F	DIGQRTMDV	WGQGTMTVTSS
4F	DMGGGLRFPHF	WGQGTMTVTSS
5A	VKYGSRSHFFDS	WGQGTMTVTSS
1D	VNYGSRSHFYFGS	WGQGTMTVTSS
7E	DMGGAQRLPDH	WGQGTMTVTSS
9E	DMGGAQRLPDH	WGQGTMTVTSS
12B	VFFGGNFRHWYFDL	WGQGTMTVTSS

Figure 6C